



Maintenance Manual USA Model Year 1972-1980

Passenger Cars Volume 1

Printed in Germany

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This Maintenance Manual contains maintenance jobs to be performed on Passenger Cars starting model year 1972 up to model year 1980.

Besides the detailed descriptions (both written and illustrated) of these jobs, all necessary checking and adjustment data as well as filling quantities, fuels, lubricants, and coolants, and information on required special tools and specified tightening torques are included.

Each individual maintenance job is assigned a number (position number) which may be found in the outer upper corner of the respective page, arranged in numerical sequence. The position number in the Maintenance Manual corresponds to the number in the Work Sheets and Maintenance Booklet so that, if necessary, when carrying out the maintenance jobs the corresponding texts and data can be immediately found.

The types or engines to which the work applies are listed below the position number. Information on the maintenance intervals during which the individual jobs should be carried out can be obtained from the tables at the beginning of the manual.

A listing of all maintenance jobs is supplied in the index which is arranged in sequence of the unit groups and respective subjects.

Daimler-Benz Aktiengesellschaft Zentralkundendienst

January 1981

Model designation

	Sales Designation	Model	Engine Type Designation
sedans	220 D	115.110	615.912
	240 D	115.117	616.916
	240 D	123.123	616.912
	300 D	115.114	617.910
	300 D	123.130	617.912
	300 TD	123.190	617.912
	300 SD	116.120	617.950
	220	115.010	115.920
	230	115.017	115.951
	230	123.023	115.954
	250	114.011	130.923
	280	114.060	110.921
	280 E	123.033	110.984 ¹)
	280 S	108.016	130.920
	280 S	116.020	110.922
	280 SE	108.018	130.980
	280 SE	116.024	110.985 ¹)
	280 SEL	108.019	130.980
	280 SE 4.5	108.067	117.984
	280 SEL 4.5	108.068	117.984
	300 SEL	109.016	130.981
	300 SEL 3.5	109.056	116.981
	300 SEL 4.5	109.057	117.981
	300 SEL 6.3	109.018	100.981
	450 SE	116.032	117.983/986 ¹)
	450 SEL	116.033	117.983/986 ¹)
	6.9	116.036	100.985 ¹)
	600	100.012	100.980
	600 long 4 doors	100.014	100.980
	600 long 6 doors	100.016	100.980
Coupés	250 C	114.023	130.923
	280 C	114.073	110.921
	280 CE	123.053	110.984
	280 SE	111.024	130.980
	280 SE 3.5	111.026	116.980
	300 CD	123.150	617.912
	450 SLC	107.024	117.982/985 ¹)
Convertibles	280 SE	111.025	130.980
	280 SE 3.5	111.027	116.980
Roadster	280 SL	113.044	130.983
	450 SL	107.044	117.982/985 ¹)

 $^{^{1}}$) Engines with CIS (continuous injection system)

ne, mechanical (00–20)		Job	No
Compression pressure, check			7!
Cooling water level, check and correct			99
Cylinder head bolt, retighten			7
Engines 100.980/981			
114 130		752.3	
Engine oil change with filter care			1
Engines 100.980/981		151.0	
100.985	p-25°	151.10	
110		151.1	
114 130 180		151.2	
115		151.2	
116 117		151.3	
615 616 617 up to model year 1976		151.3	
616 617 starting model year 1977		151.4	
617.950 starting model year 1978		151.4	
Heating and venting system, check sealing			
Hose clamps, check for tight fit			6
Renewing coolant with anti-freeze			ç
Supplementary oil filter for hydraulic fan coupling, clean			1
Valve clearance, adjust			7
Engines 100 116 117	page		
110		753.3	
115 130		753.5	
615 616 617		753.7	
V-belts, check condition and tension			7
V-belts, retension			7
Engines 100.980	page	756.0	5
100.981		756.10	C
100.985		756.10	6
110 model year 1973–1976		756.2	1
starting model year 1977		756.23	3
114 130		756.29	9
115 model year 1972—1974		756.3	5
model year 1975—1976		756.3	6
starting model year 1977		756.3	
116 117		756.5	
615 616 617 model year 1972—1976		756.70	
starting model year 1977		756.7	
starting model year 1977		756.7	
		756.7	
.617.950 starting model year 1978			5 7
V-belts, check condition and retension, all engines, model year 1980			
Slacken engine stop and tighten screws			7

Note: The figures in () next to the titles are group numbers

Job No.

incl. control linkage, ignition, intake, fuel and exhaust system Air filter element, clean Air filter element, clean Air filter element, replace, model year 1980 200. Air injection, check, model year 1974 Begin of delivery, checking, Engines 616 617 Carburetor flange, retighten 87 Carburetor flange, retighten 87 Catalyst, replace 78 Contact breaker points, renew 77 Dwell angle, check 78 Dwell angle and ignition timing, adjust Engine control linkage, check in the system of the system, retighten silip oints Exhaust gas recycling, check, model year 1973/1974 76 Exhaust system, retighten silip oints Filter of auxiliary air valve, replace Flame guard filament, clean 76 Fuel evaporation system in engine compartment, check, model year 1974 76 Fuel filter, clean/replace 84 Fuel filter of iliter element, replace Fuel filter of iliter element, replace Fuel filter of iliter element, replace Fuel pump, cleans strainer Fuel pump, renew strainer Fuel system, check condition and sealing Heater flaps, clean and spray Idle speed, check and adjust Check with CO measuring instrument and adjust Engine 100,985 110,984/985 117,985/986 with CIS (continuous injection system) up to model year 1979; (model year 1980 sea Job No. 799) 100 130 798.35 Engines 616 616 617 up to model year 1979 check without CO measuring instrument and adjust Engine 100 117 model year 1980 798.15 Engines 616 616 617 up to model year 1979 check without Company of the surface of the surf	ngine, combustion (07/09/47/49)			
Air filter element, replace, model year 1974	incl. control linkage, ignition, intake, fuel and exhaust system			
Air injection, check, model year 1974 766 8egin of delivery, checking, Engines 616 617 767 768 767 768 768 767 768 767 768 767 768 7	Air filter element, clean			202
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This job is to be carried out yearly if possible in spring
 Only model 123
 Only once after 30,000 miles
 Only Federal version
 Only California version

⁵⁾ Only California version 6) This job is to be carried out every other year

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¹⁾ This job is to be carried out yearly if possible in spring
2) This job is only to be carried out at 30,000 miles
3) This job is only to be carried out every other year